User Interface

Comfortable logical operation

The MRS-1266 was designed with ergonomics in mind. All the functions and buttons are logically positioned. Level meters and tracking info is displayed on dedicated back-lit displays. The inputs and outputs you use the most-guitar/bass, headphone, sub-out, expression pedal, and foot switch--are all located on the front of the chassis.

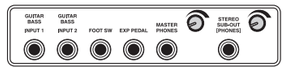
Wide array of inputs and outputs

The MRS-1266 has two balanced XLR terminals for low-noise mic input. Six 1/4" jacks are included for mic or line input. XLR Phantom power allows you to use high quality condenser mics. In addition to stereo RCA PIN jacks, an S/P DIF optical digital output is available, so that digital data can be transferred directly to DAT or Mini-Disk recorder. Any number of tracks can be assigned to the front panel sub-out for a separate monitor mix, or you can use the sub out for a second pair of headphones.

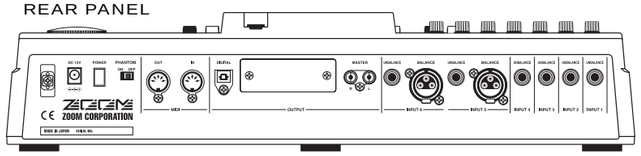
Expandability

The MRS-1266 is fully MIDI compatible. With MIDI IN/OUT you can use external MIDI devices to program the 1266's drum and bass patterns, or use MIDI out to control external devices. By installing an optional USB interface, you can access all the data on the hard drive from Windows or Macintosh computers. Data back-up and data file storage, as well as data exchanges with DAW software, can be performed smoothly.

FRONT PANEL



REAR PANEL



SPECIFICATIONS

RECORDER

Physical Track	10tracks
Virtual Track	100 (10 virtual takes / track)
Master Track	2tracks (stereo) x 10V-takes
Drum Track	2tracks (stereo)
Bass Track	1track (mono)
Simultaneous Recording	6tracks
Recording Data Format	16bit linear with NO compression
Recording Time	60track-hours
Marker	100 / project
Locater	Scrub / Preview, A–B repeat
Location Display	Hour / Min. / Sec. or Meas. / Beat / Tick
Track Edit	Copy, Paste, Move, Erase, Exchange, Bounce, Trim, Fade in/out Reverse, Capture / Swap, Time Stretch / Compression
Punch In / Out	Auto / Manual
Phrase Loop	100phrase / project
Phrase Edit	Start / End, Measure, Name, Level

MIXER

Input Channel	19channels (13tracks + 6inputs)
Simultaneous playback	13tracks (10 audio + stereo drum + mono bass)
Scene Memory	100scenes / project (Linkable to marker)
Fader	12 (1– 8 mono, 9/10 stereo, Drum, Bass, Stereo Master)
Level Meter	10segments x 20bar (Pre / Post fader selectable)
Track Parameter	Equalizer, Effect send, Pan(Balance at stereo link)
Equalizer	High (f : 500Hz – 18kHz, Gain: ±12dB) Low (f : 40Hz – 1.6 kHz, Gain: ±12dB)
Effect Send	Chorus / Delay send level, Reverb send level
Stereo Link	1/2, 3/4, 5/6, 7/8 tracks selectable, 9/10 tracks fixed

EFFECT

Algorithm	5types (Guitar / Bass, Mic, Line, Dual, Mastering)
Effect Type	94types
Effect Module	4 (Compressor, Pre-amp / Drive, EQ, Modulation / Delay)
Max. Simultaneous Effect	6types
Effect Patch	320 (220factory + 100blank)
Send Return Effect	2modules (Reverb, Chorus/Delay)
Send Return Patch	40patches (Chorus/Delay20 + Reverb20)
Mastering Effect	4modules (3band compressor / Lo-Fi, 3band EQ, Normalize, Dimension / Resonance)
Tuner	Auto chromatic, Calibration 435–z (1Hz resolution)

DRUM & BASS

Data format	16bit linear PCM
Drum Kit	127kits (50 factory + 77default)
Drum Sound Generator	36sounds/kit (12pads x 3bank)
Bass Sound Generator	26sounds (each 5octaves)
Polyphony	30voices (Drum + Bass)
Drum Pad	12velocity (touch) sensitive pads, self lighted
Resolution	48PPQN
Odd Meter	1/4 – 8/4
Song	10songs / project
Pattern	511patterns (403factory, 108blank)
Maximum Bar	999bars / song, 99bars / pattern
Maximum note	Approx. 20,000notes (events) / song
Tempo	40.0 – 250.0

• Project : Maximum 1000 • Hard Disk : E-IDE / 3.5 inch 20GB • CD-R/RW Drive : ATAPI / 5 inch bay type, Buffer Under-run Error Protection Supported • A / D Conversion : 24 bit 64 times over-sampling • D / A Conversion : 24 bit 8 times over-sampling • Sampling Frequency : 44.1kHz • Signal Processing : 24bit • Frequency Response : 20Hz –20kHz / ±1dB (At 10kΩ load) •S / N : 93dB (IHF-A) •Dynamic Range : 97dB (IHF-A) • THD+N : 0.02% (400Hz, At 10kΩ load) • Display : 96 x 63mm original LCD (with back light) • Guitar / Bass Input (Hi-Z) : 2 x 1/4" Monaural Phone Jack, Input Impedance 500kΩ •Line (Unbalance) input : 6 x 1/4" Monaural Phone Jack, Input Impedance 50kΩ or more •XLR(Balanced) Input : 2 x XLR-3-31 type, Input Impedance 1kΩ, 2nd Hot • Phantom Power : 48V (with On/Off switch) • Input Level : –50dBm < Variable < +4dBm • Master Out : L / R RCA PIN Jack, Output impedance 1kΩ, Rated Output Level –10dBm • Digital Out : S / P DIF Optical (20bit) • Headphone Out : 1 x 1/4" Stereo Phone Jack, 50mW(at 32Ωload) •Sub Out : 1 x 1/4" Stereo Phone Jack •MIDI : In/Out •Control Input : 1 x Expression Pedal, 1 x Foot Switch •Optional Board Slot : 1 •Dimension : 480(W) x 310(D) x 115(H)mm • Weight : 6.8kg (with CD-R / RW drive), 5.8kg (without CD-R / RW drive) •Power Supply : DC12V 2.5A (AC Adaptor AD-0010 specified) • Power Consumption : 30W (12V 2A) TYP. • Supplied Accessory : Universal AC adaptor AD-0010 •Optional Accessory : CD-01 (CD-R / RW drive) ,UIB-01 (USB interface board) , FS-01 (Foot switch) , FP-02 (Expression Pedal)

0dBm = 0.775Vrms

OPTIONAL ACCESSORIES

CD-01
CD-R/RW Drive
•ATAPI / 5inch bay type,
Buffer Under-run Error Protection Supported.

UIB-01
USB Interface Board
•Windows®, Mac OS compatible.

Foot Switch FS01
•Unlatch and normally close type.

Expression Pedal FP02
•To control effect parameters.

ZOOM CATCH US IF YOU CAN®

www.zoom.co.jp

ZOOM Corporation
Noah Bldg.1F, 2-10-2 Miyanishi-cho, Fuchu-shi, Tokyo 183-0022, Japan.
TEL : +81-42-369-7116 FAX : +81-42-369-7115 E-mail : info@zoom.co.jp

•Specifications subject to change without notice. September 2002 Printed in Japan.

ZOOM CATCH US IF YOU CAN®

MultiTrak Recording Studio MRS-1266

The Zoom MRS-1266 sets your ideas free.

No longer must your musical ideas remain prisoners of your mind.
Zoom gives you all the tools of a professional recording studio, in an easy-to-use table-top unit.
With the new MRS-1266, your only limit is your imagination.

MultiTrak Recording Studio
MRS-1266
•Optional CD-R/RW Drive

MultiTrak Recording Studio
MRS-1266 CD
•Built in CD-R/RW Drive

with VAMS Variable Architecture Modeling System
with FAST Formula Assisted Song Translator
compact disc Recordable

THE EVOLUTION OF RECORDING

Everyone should be able to record their music just the way they imagine it.

The new MRS-1266 Recorder from Zoom is so powerful and easy to use that with a little practice any musician can become a composer, engineer, and producer. With the 1266's digital audio quality and an incredible array of recording tools, anyone can now create professional-quality recordings with just one incredible machine.

Multi Track Recorder

The ultimate all-in-one studio

It's like having a professional recording studio on your desk. The MRS-1266 has ten independent tracks plus a stereo Master channel. It has a full-function mixer section, programmable drum and bass machines, a huge array of effects and an optional CD burner for final cuts. When inspiration strikes, you have all the tools you need to record, edit, mix and master your compositions. With 44.1 kHz sampling, 16-bit linear un-compressed data, 24-bit A/D D/A conversion and 24-bit processing, you are building songs on a professional level digital foundation.

10 physical tracks x 10 V-takes = 100 tracks

Not even the pros get every track right the first time. With 10 Virtual "V-Takes" per channel, you get 10 chances per track to get it right. Select the best take from several sessions, choose a favorite set of effect and rhythm variations, and combine them for a final mix. With a 20 GB hard drive, you can record up to 60 hours of music, up to 1,000 songs or "projects," use all your V-Takes and still have memory left over.

6-track simultaneous recording

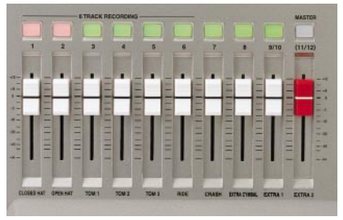
For live recording, the MRS-1266 offers all-new flexibility. With 6 channel simultaneous input capability you can mic a rehearsal or performance with up to six microphones. Using virtual tracks, you can record 10 takes with a guide rhythm, and then pick the best take for each instrument for the final mix. Vocal groups can be evaluated objectively when they record on separate tracks. Elaborate drum and percussion recordings can be made. Record drums like the studio pros using six microphones, and mix them down to a stereo drum track.

Track edit

Mess up a guitar solo? Flub the lyrics? No problem. Simply use the punch in/out to fix your mistakes. Specify precise start and end points using the Scrub and Preview functions, practice the lead using the rehearsal function, then hit record. You can compare your takes before and after, using the Capture and Swap function. If you are running out of tracks, "Bounce" everything to one empty track. Because it's digital audio, you won't lose any sound quality. Combine usable portions of a different takes, Copy/ Erase/ Exchange whole tracks, and Copy/ Move/ Erase/ Reverse just a specified part of track.

Phrase loop

With the optional CD-R/RW drive, you can import sample phrases from pre-recorded drum beat or sound sample CD-ROMs. Store up to 100 phrases per project. Cut and paste to create loops. Specify the start point, number of measures, end point and sound level, and you can modify the length of a phrase without changing the pitch. Thanks to Zoom's various editing features, you can drop loops in and out of songs quickly and easily.



CD Burner

Built-in CD-R/RW drive

The MRS-1266 CD comes equipped with a reliable, high performance CD-R/RW drive. Master and burn your own CD, or backup and restore project data. If you want to backup your entire internal hard drive, multiple disc saves can be accomplished. The CD-R/RW also allows you to import WAV/AIFF data from sample collection CDs or import audio from standard music CDs. A standard CD player function is also built-in. The 1266 is also available without the drive, and the CD-01 CD-R/RW drive is available as an optional accessory.

CD-01 [OPTION]
CD-R/RW Drive
• ATAPI / 5inch bay type,
Buffer Under-run Error Protection Supported.

Mixer

13 track playback

Up to 13 tracks can be played back simultaneously, including 10 audio tracks, stereo drums, and a mono bass track. Track 1-8 has independent faders, track 9-10 are linked to one stereo fader. Two more faders are dedicated to drum and bass. Track parameters such as EQ and effect send level can be adjusted for stereo linked odd and even tracks, which correspond to a stereo source such as an external synthesizer.

Track parameters

Each track has parameters including a two band (variable frequency) EQ, a Chorus/Delay send level, Reverb send level, and L/R Pan controls. Pressing the solo switch will mute all other tracks except the specified one track.

Transport

You can put up to 100 locate markers in a song or "project." The Scrub/Preview function is a tool for locating a precise mark point on a track. The A-B repeat lets you repeat a desired section of a project easily, for rehearsing that tricky Punch In/Out.

Scene memory

Automation used to be a tool found only in high-end studios. Not anymore. Save your fader positions, effects patches, send-return effects and key status as a "Scene". Up to 100 scene settings can be stored for one project. Call them up anytime to compare and contrast. Or assign different scenes to different location markers in your project. The MRS-1266 will automatically switch levels and effects within your song during playback or mix-down.

Mastering

In addition to 10 audio tracks for recording, a separate maser track is provided as a target channel for stereo mix-down. The master track has 10 V-Takes available, so you can try different mixes and mastering effects. Time stretch/compression allows you to adjust the length of a song by + – 50 percent-a far wider range than real-time vari-pitch functions allow. Use the adjustable fade in/out function for professional-sounding beginnings and ends. Increase the average sound pressure level using the multi-band compressor and multi-band equalizer in the mastering effect section, and maximize the signal level using the normalizer. Delete the silent areas using the trimming function, and burn your new song to a CD. Or select several different songs and burn an 'album' automatically.

Multi Effects with VAMS

Insert effects

The MRS-1266 comes with an awesome array of built-in effects. They are sub-divided into five major categories, or "algorithms": Guitar/bass, Microphone, Line, Dual input (i.e. guitar and vocal mic) and Mastering. Each algorithm is built from four major effect modules (compressor, pre-amp/drive, equalizer and modulation/delay). 94 different effects are selectable beyond that. Six effect types can be used simultaneously, and saved as effect "patches". Up to 280 patches can be stored for each project. You can insert your effects at different points in the signal path: at instrument level, track level or master track level. This gives you the option to record 'dry' and adjust the effect type and depth after recording. By using dual algorithms, you can simultaneously insert different effects on instrument combinations such as guitar + mic, mic + mic, or guitar + bass.

Send / Return effects

Send/Return allows you add an effect to all your tracks. All the effect algorithms, plus 30 pre-set effect patches are included so that any kind of hall, room, or studio sound can be simulated.

Mastering effects

Mastering is the key to making a professional-sounding recording. By using the MRS-1266's mastering effects, such as a 3-band Compressor, 3-band EQ, a Normalizer, Dimension, Lo-Fi, and Resonance, you can add flavor and sound pressure to a master track that has been mixed down to stereo. These effects can also be routed as insert effects on each track.

VAMS

VAMS (Variable Architecture Modeling System) refers to ZOOM's amplifier modeling system. It accurately simulates the sound of classic amplifiers and cabinets. This hybrid analog / digital processing allows you to plug in a guitar, bass or any other instrument direct, and get a rich, accurate amp tone without having to mic a real cabinet.

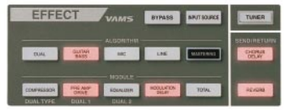
Auto Chromatic Tuner

A riff that is out-of-tune can't be fixed later--no matter how hard you try. The MRS-1266 has a built-in bypass line tuner that quickly and easily tunes you up.

Drum & Bass with FAST

Create rhythm and audio tracks interactively

It's tough to lay down a final drum track before you work out your melodies. With the MRS-1266, you create a temporary rhythm guide by choosing from the library of 400 factory preset patterns, and setting the tempo. Then specify a bass chord progression, and start recording your ideas. Once you have nailed a few tracks, you can fine-tune the rhythm tracks. Also, by importing SMF (Standard Midi File), you can use a variety of existing rhythm patterns.



Zoom's exclusive "FAST" rhythm programming

The FAST (Formula Assisted Song Translator)is a brand-new programming method for building rhythm patterns and structuring your songs. Pattern information can be entered like an algebraic equation. After assigning numbers to different rhythm patterns, you simply input an equation. For example, "1+ (2 x 8 + 3 x 8 + 4 x 8 + 5 x 8) x 3 + 6," is a song that starts with an introduction(1) , repeats the song pattern(2 x 8 + 3 x 8 + 4 x 8 + 5 x 8) three times, and finishes with an ending pattern(6). Once you have built a song using FAST, it is simple to add or remove sections, cut, insert, change tempo information, and otherwise edit the rhythm portion of your composition.

12-key touch sensitive pad bank

Up to 10 songs -drum and bass patterns- can be stored in one project, and different rhythm arrangements can be assigned to each of the 10 V-Takes. You can choose step or real-time recording for creating original patterns; up to 20,000 steps/events can be recorded. With either method, the 12 key (full chromatic scale) pad bank makes recording drum or bass patterns easy. And with variable sensitivity, your playing sounds even more real.

The best electronic drum & bass sounds anywhere

Zoom has been making drum machines for years, and they are well known for having the best electronic drum sounds in the business. 127 drum sounds have been recorded as 16-bit linear PCM, 30 polyphonic. 26 varieties of ultra-real bass guitar sounds are also provided.

Build your own drum kits

There are 50 factory preset drum kits built-in to the MRS-1266, each with a distinctly different sound. Each drum kit is made up of 36 different drum sounds. You can also built custom kits using the faders as a drum kit sub mixer, and even add effects like EQ, reverb and chorus to individual drums. These kits can be saved and modified as you wish.